Mountain Weather Forecast

Peak District National Park

Forecast valid from 06:00 on Friday 18 Aug 2023 until 23:59 on Saturday 19 Aug 2023

Forecast Issued on Friday 18 Aug 2023 at 03:37

Confidence: High for unsettled conditions Friday and for the subsequent trend towards finer and drier weather. Lower confidence on the timing and extent of the thundery rain and showers on Friday and for the strength of winds Friday night.

Headline for Friday 18 Aug 2023: Dull and muggy start. Outbreaks of rain during the morning, and further heavy rain later.

Mountain weather hazards on Friday 18 Aug 2023

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** No Likelihood	**Poor visibility** Medium Likelihood
Thunderstorms Low Likelihood	**Heavy persistent rain** Medium Likelihood	**Strong sunlight** Low Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
FOG					
Fog	Heavy Rain	Light rain	Sunny intervals	Cloudy	Heavy Rain
Precipitation probability					
30%	80%	60%	20%	10%	70%

Forecast for Friday 18 Aug 2023

Weather: A cloudy start with areas of mist and low cloud across most eastern areas in early hours of Friday, with the chance of a few isolated showers developing through the early hours. More organised showers or longer spells of rain expected to arrive from the southwest later Friday morning, these perhaps turning heavy at times with a slight chance of a rumble of thunder. Showers becoming increasingly light and isolated into the afternoon however and perhaps turning brighter for a time early evening but feeling quite humid. Thickening and lowering cloud bringing further rain later Friday evening, turning heavy and thundery overnight with strengthening southerly winds. Feeling humid.

Chance of cloud-free hill tops above 600m: 10% during the morning and early afternoon, improving to 70% late afternoon.

Low cloud and visibility: Widespread cloud down to 300-400m, and locally down to lower slopes in the east during the morning. Cloud lifting clear of all but highest bases late afternoon, through lowering again towards the tops by the end of the period as cloud thickens and rain moves in. Generally moderate visibility, but poor to very poor in any persistent precipitation or low cloud.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
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Forecast for Friday 18 Aug 2023

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	24/33 E	24/31 E	24/32 E	23/31 E	22/30 E	22/30 E	21/29 SE
300	12/20 NE	14/19 NE	13/20 E	17/27 E	18/29 E	18/28 E	18/29 SE
Valley	20/35 E	19/33 E	12/24 E	15/28 E	16/32 E	14/30 E	12/27 SE

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	11/7	12/8	14/10	15/11	14/11	14/10	15/11
300	13/11	14/12	16/14	18/15	18/14	16/13	17/14
Valley	14/11	15/12	17/15	19/16	18/15	17/14	17/16
Freezing Level*	3200m	3600m	3600m	3800m	3700m	3900m	4000m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Unpleasant walking conditions for much of the day, with widespread low cloud and waterproofs becoming soaked through in any heavy showers and late rain. Windy conditions will make for fairly arduous walking on exposed terrain. Watercourses may become swollen.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
02:00 on Fri 18 Aug 2023	0mm	0.2mm	0.4mm

Forecast for Saturday 19 Aug 2023

Weather: Rain is expected to clear to the north during the early hours of Saturday, leaving a windy morning but a drier day. Showers are likely to develop as temperatures rise, but these will be well-scattered and much lighter than Friday.

Maximum wind: South-westerly 20-30mph, gusting 40-45mph. Easing slightly by the evening.

Chance of cloud-free hill tops above 600m: 30% or less, soon improving to 80% or more.

Low cloud and visibility: Cloud bases of around 300m in the early hours associated with the area of rain. This clearing by dawn with bases largely remaining above summits for the rest of the day. Visibility poor or very poor in early rain, becoming good or very good by mid-morning.

Temperature: **Valleys:** Plus 17, rising to Plus 22 Celsius.
At 600m: Plus 15 Celsius, rising to Plus 19 Celsius.
Freezing level: Well above summits.

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